

Thesis Supervisor's Review

Title: Power Supply of Long-Distance Gas Pipeline's Along the Line Consumers
Student: Andrey Skripnikov
Supervisor: Rostislav Krejcar

Andrey Skripnikov's thesis concerns interesting topic of Power Supply of installing small wind turbines instead of current diesel engines for modular power stations, which is used as a source of electricity for the Russian gas transmission. The thesis presents economical optimization of transmission pipeline's electricity supply. After a necessary introduction on what really are Long-Distance Pipelines in Russia, included intermediate stations, which are involved, the thesis directly, with outlining its aim and content, starts defining crucial terms of the thesis.

I very appreciate an intensive cooperation with the author all the time. Mr Skripnikov took into consideration my recommendations on a structure of the thesis. On the other hand, he came with a number of interesting ideas. For example he proposed a wind speed model to evaluate the impact of wind variance on the technical and economic performance of the project, included method of Monte Carlo simulations. The Economic Evaluation of options is also included.

Student worked individually, we were only discussing partial results of the thesis on a regular basis but finally he was a little bit on the time pressure.

I recommend the thesis for defense and I propose evaluation "very good" (B).

Prague, 30. 5. 2015

Rostislav Krejcar